

What is claimed is:

- 5 Sub A4
1. A disk drive comprising:
a storage disk having a storage surface;
an actuator arm that moves relative to the storage disk;
a load beam secured to the actuator arm;
a slider; and
a head suspension that secures the slider to the load beam and positions the slider near the storage disk, the head suspension maintaining the slider at a pitch static attitude of less than approximately zero degrees.

10 2. The disk drive of claim 1 wherein head suspension maintains the slider at a pitch static attitude of between approximately zero and negative two degrees.

3. The disk drive of claim 1 wherein the head suspension maintains the slider at a pitch static attitude of less than approximately negative one degree.

15 4. The disk drive of claim 1 wherein the head suspension maintains the slider at a pitch static attitude of approximately negative two degrees.

5. The disk drive of claim 1 wherein the head suspension maintains the slider at a pitch static attitude of less than approximately negative two degrees.

20 Sub A7 6. The disk drive of claim 1 wherein the slider is a padded slider that includes an air bearing surface and at least one pad that extends below the air bearing surface.

7. The disk drive of claim 1 including a ramp positioned near an outer diameter of the storage disk.

8. A transducer assembly for a disk drive, the disk drive including a storage disk and an actuator arm, the transducer assembly comprising:

a slider including a data transducer;

a load beam that attaches to the actuator arm; and

a head suspension that secures the slider to the load beam and positions the slider near the storage disk, the head suspension maintaining the slider at a pitch static attitude of less than approximately zero degrees.

9. The transducer assembly of claim 8 wherein head suspension maintains the slider at a pitch static attitude of between approximately zero and negative two degrees.

10. The transducer assembly of claim 8 wherein the head suspension maintains the slider at a pitch static attitude of less than approximately negative one degree.

11. The transducer assembly of claim 9 wherein the head suspension maintains the slider at a pitch static attitude of approximately negative two degrees.

12. A head stack assembly including an actuator arm and the transducer assembly of claim 8.

13. A disk drive including the transducer assembly of claim 8.

14. A method for making a disk drive, the method comprising the steps of:
providing a storage disk having a storage surface;
providing an actuator arm that moves relative to the storage disk;
providing a slider including a data transducer;
securing a load beam to the actuator arm; and
securing the slider to the load beam with a head suspension, the head suspension maintaining the slider at a pitch static attitude of less than approximately zero degrees.

15. The method of claim 14 wherein head suspension maintains the slider at a pitch static attitude of between approximately zero and negative two degrees.

16. The method of claim 14 wherein the head suspension maintains the slider at a pitch static attitude of less than approximately negative one degree.

5 17. The method of claim 14 wherein the head suspension maintains the slider at a pitch static attitude of approximately negative two degrees.

18. The method of claim 14 wherein the head suspension maintains the pitch static attitude of less than negative two degrees.

19. The method of claim 14 wherein the step of providing a slider includes providing a padded slider that includes an air bearing surface and at least one pad that extends below the air bearing.

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